

PERSONAL INFORMATIONS

Andreea Smeu


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Address: Square Eftimie Murgu 2, Timișoara 300041

PROFESSIONAL EXPERIENCE

2024-present

Assistant Professor

Department of Toxicology, Drug Industry, Management and Legislation

University of Medicine and Pharmacy "Victor Babes" Timișoara, Faculty of Pharmacy

Address: Eftimie Murgu Square, No. 2, Timisoara (Romania)

2023-present

Pharmacist Resident - Clinical Pharmacy

County Emergency Hospital "Pius Brînzeu" Timișoara

Address: 156 Liviu Rebreanu Boulevard, Timișoara 300723

EDUCATION

2024-present

Master - Pharmacovigilance and monitoring of clinical trials

University of Medicine and Pharmacy "Victor Babes" Timișoara, Faculty of Pharmacy

Address: Eftimie Murgu Square, No. 2, Timisoara (Romania)

2023-present

PhD Student

University of Medicine and Pharmacy "Victor Babes" Timișoara

Address: Eftimie Murgu Square, No. 2, Timisoara (Romania)

2018-2023

Bachelor degree

University of Medicine and Pharmacy "Victor Babes" Timișoara, Faculty of Pharmacy

Address: Eftimie Murgu Square, No. 2, Timisoara (Romania)

2014-2018

Baccalaureate Degree

National College Ecaterina Teodorescu Targu Jiu

Address: Strada 1 Decembrie 1918 1918 25, Târgu Jiu 210209

PERSONAL COMPETENCES

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Participate in the conversation	Oral discourse	
English	B2	B2	B2	B2	B2
French	B2	B2	B2	B2	B2

Levels: A1/2: Elementary user - B1/2: Independent user - C1/2: Experienced user
Common European Framework of Reference for Languages

Computer competences

- Microsoft Office / Microsoft Excel / Microsoft Word / Microsoft Powerpoint / Graphpad Prism / BioRender (software to create professional scientific figures) / ImageJ Fiji (Basic user) / Gen5 for Microplate Reading & Data Analysis Softwer

Publications

- Smeu A**, Marcovici I, Dehelean CA, Dumitrel SI, Borza C, Lighezan R. Flavonoids and Flavonoid-Based Nanopharmaceuticals as Promising Therapeutic Strategies for Colorectal Cancer-An Updated Literature Review. *Pharmaceuticals* (Basel). 2025 Feb 8;18(2):231. doi: 10.3390/ph18020231.
- Marcovici, I., Chioibas, R., Zupko, I., Pinzaru, I., Moaca, A., Ledeti, A., **Geamantan, A.**, Predescu, I., & Dehelean, C. A. (2025). Preclinical pharmaco-toxicological screening of biomimetic melanin-like nanoparticles as a potential therapeutic strategy for cutaneous melanoma. *Frontiers in Pharmacology*, 16, 1487854. <https://doi.org/10.3389/fphar.2025.1487854>
- Roman, A.; **Smeu, A.**; Lascu, A.; Dehelean, C.A.; Predescu, I.-A.; Motoc, A.; Borza, C.; Draghici, G.A.; Trandafirescu, C.M.; Anton, A.; et al. Quercetin Enhances 5-Fluorouracil-Driven Cytotoxicity Dose-Dependently in A375 Human Melanoma Cells. *Life* 2024, 14, 1685. <https://doi.org/10.3390/life14121685>
- Dănilă AI, Romînu M, Munteanu K, Moacă EA, **Geamantan-Sîrbu A**, Olariu I, Marian D, Olariu T, Talpoș-Niculescu IC, Cosoroabă RM, Popovici R, Dinu Ș. Development of Solid Nanosystem for Delivery of Chlorhexidine with Increased Antimicrobial Activity and Decreased Cytotoxicity: Characterization and In Vitro and In Ovo Toxicological Screening. *Molecules*. 2025 Jan 3;30(1):162. doi: 10.3390/molecules30010162.
- Geamantan-Sîrbu, Andreea**, Alexandra Semenescu, Alina Moacă, Razvan Susan, Robert Jijie, and Cristian Vlad. 2024. "Phytochemical Screening and Preliminary Biological in Vitro Assessment of Camellia Sinensis L. Ethanolic Extract". *The Annals of the University Dunarea De Jos of Galati. Fascicle VI - Food Technology* 48 (1), 163-77. <https://doi.org/https://doi.org/10.35219/foodtechnology.2024.01.10>.
- Moise G., **Geamantan A.**, Vlad C, Vlad D, Dumitrescu C , Sima L. Quercetin enhances the anti-tumor activity of Doxorubicin in IMR-32 Neuroblastoma Cells. *FARMACIA*, 2024, Vol. 72, 4
- Iftode C, Minda D, Draghici G, **Geamantan A**, Ursoniu S, Enatescu I. Aspirin–Fisetin Combinatorial Treatment Exerts Cytotoxic and Anti-Migratory Activities in A375 Malignant Melanoma Cells. *Medicina*. 2024; 60(7):1125. <https://doi.org/10.3390/medicina60071125>
- Dinu S, Matichescu A, Buzatu R, Marcovici I, **Geamantan-Sîrbu A**, Semenescu AD, Bratu RC, Bratu D-C. Insights into the Cytotoxicity and

Irritant Potential of Chlorhexidine Digluconate: An In Vitro and In Ovo Safety Screening. *Dentistry Journal*. 2024; 12(7):221. <https://doi.org/10.3390/dj12070221>

9. Dinu, S; Daniel, ON; Matichescu, A; Nicoleta, ZI; Szuhane, C; **Geamantan, A**; Semenescu, AD; Anton, A; Buzatu, R. IN VITRO BIOCOMPATIBILITY AND IN OVO IRRITANT POTENTIAL SCREENING OF TWO CLEAR ALIGNERS WITH ORTHODONTIC APPLICATIONS. FARMACIA, 2024, Vol. 72, 3
10. Marcovici I, Vlad D, Buzatu R, Popovici RA, Cosoroaba RM, Chioibas R, **Geamantan A**, Dehelean C. Rutin Linoleate Triggers Oxidative Stress-Mediated Cytoplasmic Vacuolation in Non-Small Cell Lung Cancer Cells. *Life*. 2024; 14(2):215.
11. Iftode C., Olaru I., Chioran D., Coricovac D., **Geamantan A.**, Borza C., Ursoniu S., Ardelean S. NON-STEROIDAL ANTI-INFLAMMATORY DRUGS (NSAIDS) AS REPURPOSED ANTICANCER DRUGS IN SKIN CANCER. FARMACIA, 2024, Vol. 72, 1
12. Puenea, G., Almăjan-Guță, B., Chioibaș, R., Macașoi, I., **Geamantan, A.**, Dinu, Ștefania, Mergheș, P., Boia, E. R., Tischer, A. A., & Iftode, A. (2023). EVALUATION OF OLEANOLIC ACID, DOXORUBICIN AND THEIR ASSOCIATION IN THE TREATMENT OF MELANOMA: ENHANCED EFFICACY AND ANTIANGIOGENIC POTENTIAL. *Farmacia*, 71(6), 1295–1304. <https://doi.org/10.31925/farmacia.2023.6.21>
13. Ionita I, Malita D, Dehelean C, Olteanu E, Marcovici I, **Geamantan A**, Chiriac S, Roman A, Radu D. Experimental Models for Rare Melanoma Research-The Niche That Needs to Be Addressed. *Bioengineering (Basel)*. 2023 Jun 1;10(6):673. doi: 10.3390/bioengineering10060673. PMID: 37370604; PMCID: PMC10295405.

Abstracts at national and international conferences

The 58th congress of the European Societies of Toxicology (EUROTOX 2024) TOXICOLOGY—A QUEST FOR SAFER CHEMICALS AND MEDICINES. Copenhagen, Denmark, 8–11 September 2024. *Toxicology Letters* 399S2 (2024), p.S103.

Projects

CNFIS-FDI-2024-F-0524

Title: Stimulating and developing students' entrepreneurial competences in the field of health through innovative methods and translational approaches adapted to the modern market and society needs - "Victor Babes" University of Medicine and Pharmacy "Victor Babes" Timisoara

Courses

- FELASA Workshop on Severity Classification and Reporting under EU Directive 2010/63/EU
- The 3D Epidermal Model Workshop - Skin Irritation Test according to OECD TG 439 organized by MatTek. NEW TRENDS IN PRECLINICAL RESEARCH. December 13-15, 2023